

# Spinner

Spinner A Spinner is a loading indicator that provides visual feedback to users during asynchronous operations. It helps maintain user engagement by clearly communicating that a process is in progress, reducing perceived wait times and improving user experience. Import `import { AavaSpinnerComponent } from '@aava/play-core'` ; Basic Usage `<aava-spinner type = "circular" color = "primary" size = "lg" [animation] = "true" ></aava-spinner>` The spinner component supports multiple visual styles, sizes, and colors to match your application's design system. Sizes `<aava-spinner type = "circular" color = "primary" size = "xs" [animation] = "true" ></aava-spinner>` `<aava-spinner type = "circular" color = "primary" size = "sm" [animation] = "true" ></aava-spinner>` `<aava-spinner type = "circular" color = "primary" size = "md" [animation] = "true" ></aava-spinner>` `<aava-spinner type = "circular" color = "primary" size = "lg" [animation] = "true" ></aava-spinner>` `<aava-spinner type = "circular" color = "primary" size = "xl" [animation] = "true" ></aava-spinner>` Available spinner sizes: xs (Extra Small) : Smallest spinner for inline use sm (Small) : Compact spinner for inline use md (Medium) : Default size for general use lg (Large) : Prominent spinner for important operations xl (Extra Large) : Maximum size for high-impact loading states Colors `<aava-spinner type = "circular" color = "primary" ></aava-spinner>` Semantic color variants: primary : Default brand color secondary : Secondary brand color success : Success state indication warning : Warning state indication danger : Error or critical state indication Accessibility `<aava-spinner type = "circular" [aria-label] = "Loading" ></aava-spinner>` Built-in accessibility features ensuring inclusive user experience for loading states. Accessibility Features `<aava-spinner type = "circular" [aria-label] = "Loading" ></aava-spinner>` ARIA Labels : Use `aria-label` or `aria-labelledby` to describe the loading state Live Regions : Announce loading state changes to screen readers using `aria-live` Focus Management : Ensure proper focus handling during loading states Reduced Motion : Respect user preferences for reduced motion with `prefers-reduced-motion` Timeout Handling : Provide fallback mechanisms for extended loading times Screen Reader Support : Semantic HTML structure for assistive technologies Keyboard Navigation : Maintain keyboard accessibility during loading states Color Contrast : Ensure sufficient contrast for all spinner variants Status Communication : Clear communication of loading progress and completion API Reference `<aava-spinner type = "circular" size = "md" color = "primary" [animation] = "true" [progressIndex] = 50 ></aava-spinner>` Inputs `<aava-spinner type = "circular" size = "md" color = "primary" [animation] = "true" [progressIndex] = 50 ></aava-spinner>` Property Type Default Description type SpinnerType 'circular' Visual style of the spinner size SpinnerSize 'md' Size of the spinner color SpinnerColor 'primary' Color variant of the spinner animation boolean true Whether to animate the spinner progressIndex number undefined Progress value for determinate loading (0-100) CSS Custom Properties `--aava-spinner-size-xs` Extra small spinner dimensions 16px `--aava-spinner-size-sm` Small spinner dimensions 20px `--aava-spinner-size-md` Medium spinner dimensions 24px `--aava-spinner-size-lg` Large spinner dimensions 48px `--aava-spinner-size-xl` Extra large spinner dimensions 64px Color Tokens `--aava-spinner-primary-track` Primary spinner track color rgba(59, 130, 246, 0.2) `--aava-spinner-primary-fill` Primary spinner fill color rgb(59, 130, 246) `--aava-spinner-secondary-track` Secondary spinner track color rgba(107, 114, 128, 0.2) `--aava-spinner-secondary-fill` Secondary spinner fill color rgb(107, 114, 128) `--aava-spinner-success-track` Success spinner track color rgba(34, 197, 94, 0.2) `--aava-spinner-success-fill` Success spinner fill color rgb(34, 197, 94) `--aava-spinner-warning-track` Warning spinner track color rgba(245, 158, 11, 0.2) `--aava-spinner-warning-fill` Warning spinner fill color rgb(245, 158, 11) `--aava-spinner-error-track` Error spinner track color rgba(239, 68, 68, 0.2) `--aava-spinner-error-fill` Error spinner fill color rgb(239, 68, 68) Animation Tokens `--aava-spinner-animation-duration` Spinner rotation duration 3s `--aava-spinner-animation-timing` Spinner animation timing function linear Best Practices `<aava-spinner type = "circular" size = "md" color = "primary" [animation] = "true" ></aava-spinner>` Design Guidelines `<aava-spinner type = "circular" size = "md" color = "primary" [animation] = "true" ></aava-spinner>` Context Appropriate : Use appropriate sizes for the context and available space Semantic Colors : Choose colors that align with your design system and semantic meaning Prominent Placement : Position spinners prominently for critical operations Loading States : Consider using skeleton screens for complex loading states Clear Context : Provide clear context about what is loading Consistent Timing : Use consistent animation timing across your application Visual Hierarchy : Size spinners according to the importance of the loading operation Performance `<aava-spinner type = "circular" size = "md" color = "primary" [animation] = "true" ></aava-spinner>` Timing Thresholds : Only show spinners for operations that take more than 200ms Animation Optimization : Use CSS animations instead of JavaScript

for better performance Progress Indicators : Use progress mode for operations with known duration State Management : Implement proper loading state management to prevent flickering Resource Efficiency : Avoid unnecessary re-renders during loading states Bundle Size : Consider lazy loading spinner variants not immediately needed User Experience ■ Clear Messaging : Provide clear messaging about what is loading Consistent Patterns : Use consistent spinner styles throughout your application Cancel Options : Consider providing cancel options for long-running operations Error Handling : Implement proper error handling for failed operations Progress Feedback : For long operations, show progress or estimated time Completion States : Provide clear indication when loading is complete

```
<aava-spinner
  type="circular"
  color="primary"
  size="lg"
  [animation]="true"
></aava-spinner>
```

```
<aava-spinner
  type="circular"
  color="primary"
  size="xs"
  [animation]="true"
></aava-spinner>
```

```
<aava-spinner
  type="circular"
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  size="sm"
  [animation]="true"
></aava-spinner>
```

```
<aava-spinner
  type="circular"
  color="primary"
  size="md"
  [animation]="true"
></aava-spinner>
```

```
<aava-spinner
  type="circular"
  color="primary"
  size="lg"
  [animation]="true"
></aava-spinner>
```

```
<aava-spinner
  type="circular"
  color="primary"
  size="xl"
  [animation]="true"
></aava-spinner>
```

■ No code found